| /9 | E JC1           | ũδ<br>ζ |
|----|-----------------|---------|
| 0  | 1576            | JA CON  |
|    | OST<br>PATENT 8 |         |

TFW

October 21, 2004

Date

| *  |   |  |   |  |  |  |
|--|---|--|---|--|--|--|
| TRANSMITTAL FO   |   | Application No.  | 10/632,018  |  |  |  |
| (to be used for all correspondence after initial filing)   |   | Filing Date  | July 30, 2003   |  |  |  |
|  |   | First Named Inventor                                       | Matthew Glenn Waight  |  |  |  |
|  |   | Art Unit   | 2611  |  |  |  |
|  |   | Examiner Name  |   |  |  |  |
| Total Number of Pages in This Submission   | on 57                                   | Attorney Docket Number                                     | 55123P264   |  |  |  |
| ENCLOS   | SURES (chec                             | k all that apply)  |   |  |  |  |
| Fee Transmittal Form   | Drawing(s)                              |  | After Allowance Communication to Group                                  |  |  |  |
| Fee Attached   | Licensing-r                             | elated Papers  | Appeal Communication to Board of Appeals and Interferences              |  |  |  |
| Amendment / Response   | Petition                                |  | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)       |  |  |  |
| After Final Affidavits/declaration(s)  | Petition to 0 Provisional               | Convert a<br>Application                                   | Proprietary Information   |  |  |  |
| Extension of Time Request  | Power of A Change of                    | ttorney, Revocation<br>Correspondence Address              | Status Letter   |  |  |  |
| Express Abandonment Request  | Terminal D                              | isclaimer  | Other Enclosure(s) (please identify below):                             |  |  |  |
| Information Disclosure Statement   | Request for                             | Refund   | Copies of 2 Cited References  |  |  |  |
| TO/SB/08   | CD, Numbe                               | er of CD(s)  |   |  |  |  |
| Certified Copy of Priority Document(s)   |   |  |   |  |  |  |
| Response to Missing Parts/<br>Incomplete Application   | Remarks                                 |  |   |  |  |  |
| Basic Filing Fee   | Remarks                                 |  |   |  |  |  |
| Declaration/POA  |   |  |   |  |  |  |
| Response to Missing Parts under 37 CFR 1.52 or 1.53  |   |  |   |  |  |  |
| SIGNATURE  | OF APPLICAN                             | IT, ATTORNEY, OR AG  | ENT   |  |  |  |
| Firm Roger W. Blake  | ly, Jr., Reg. N                         | o. 25,831  |   |  |  |  |
| Individual name BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP   |   |  |   |  |  |  |
| Signature Jager & Blakely  |   |  |   |  |  |  |
| Date October 21, 2004  |   |  |   |  |  |  |
|  |   | ING/TRANSMISSION   |   |  |  |  |
| I hereby certify that this correspondence is be sufficient postage as first class mail in an env 22313-1450. | eing deposited with<br>relope addressed | n the United States Postal S<br>to:/Commissioner for Pater | Service on the date shown below with its, P.O. Box 1450, Alexandria, VA |  |  |  |
| Typed or printed name Jessic A. Cl   | ark // /                                | ) /  |   |  |  |  |

Signature

OF E TO THE DESTRUCTION OF THE PROPERTY OF THE

FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

(\$)

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT

| Complete if Known    |                      |  |  |  |  |
|----------------------|----------------------|--|--|--|--|
| Application Number   | 10/632,018           |  |  |  |  |
| Filing Date          | July 30, 2003        |  |  |  |  |
| First Named Inventor | Matthew Glenn Waight |  |  |  |  |
| Examiner Name        |                      |  |  |  |  |
| Art Unit             | 2611                 |  |  |  |  |
| Attorney Docket No   | 55123P264            |  |  |  |  |

10/21/04

Date

| METHOD OF PAYMENT (check all that apply) |                               |             |                                    |                           |          |                          | FE             | E CALCULATION | ON (continu | ed)  |                    |              |          |          |
|--|-------------------------------|-------------|------------------------------------|---------------------------|----------|--------------------------|----------------|---------------|-------------|--|--------------------|--------------|----------|----------|
| Check                                    | ☐ Credi                       |             | Money                              | Other                     | None     | 3. Al                    | ODITIO         | NAL           | FEES        | 3  |                    |              |          |          |
| Deposit A                                | _                             | caro        | Order                              | - Other                   | None     | Large                    | Entity         | Sma           | II Entity   | ,  |                    |              |          |          |
| <b> </b>                                 |                               |             |                                    |                           |          | Fee                      | Fee            | Fee           | Fee         | _  |                    |              |          |          |
| Deposit<br>Account                       |                               |             | 02-2666                            | 5                         |          | Code                     | (\$)           | Code          | (\$)        |  | Description        |              |          | Fee Paid |
| Number                                   |                               |             | 02 2000                            |                           |          | 1051<br>1052             | 130<br>50      | 2051<br>2052  | 65<br>25    | Surcharge - late filing<br>Surcharge - late provis             |                    |              |          |          |
| Deposit<br>Account                       | Dielesi                       | . Cale      | aloff Tavilo                       | r & Zafman                | TID      | 1032                     | 50             | 2002          | 25          | cover sheet.   | Sional ming ice of |              |          |          |
| Name                                     | Blakel                        | y, Sok      | ololi, Taylo                       | or & Zafmar               | LLL      | 2053                     | 130            | 2053          | 130         | Non-English specificat   |                    |              |          |          |
| The Commissi                             | ioner is aut                  | horized to  | : ( check all that                 | apply)                    |          | 1812                     | 2,520          | 1812          | 2,520       | For filing a request for                                       | •                  | nation       |          |          |
| Charge fee                               | e(s) indicate                 | d below     | Cr                                 | redit any oveграуп        | ents     | 1804                     | 920*           | 1804          | 920 '       | <ul> <li>Requesting publication<br/>Examiner action</li> </ul> | n of SIR phor to   |              |          |          |
|  |                               |             |                                    | fees as required ur       | nder 37  | 1805                     | 1,840*         | 1805          | 1,840       | Requesting publication   | n of SIR after     |              |          |          |
|  | 16, 1.17, 1.<br>e(s) indicate |             | o.<br>xcept for the filli          | ng fee                    |          |                          | ·              |               |             | Examiner action  |                    |              |          |          |
| to the abo                               | ve-identified                 | deposit a   | ccount                             |                           |          | 1251                     | 110            | 2251          | 55          | Extension for reply with                                       | hin first month    |              |          |          |
|  | F                             | EE CA       | LCULATIO                           | N                         |          | 1252                     | 430            | 2252          | 215         | Extension for reply with                                       | hin second month   |              |          |          |
| 1. BAS                                   | SIC FILI                      | NG FE       | E                                  |                           |          | 1253                     | 980            | 2253          | 490         | Extension for reply with                                       | hin third month    |              |          |          |
| Large Entity                             |                               | Ø Entity    |                                    |                           |          | 1254                     | 1,530          | 2254          | 765         | Extension for reply with                                       | hin fourth month   |              |          |          |
| Fee Fee                                  |                               | Fee<br>(\$) | Fee Description                    |                           | Fee Paid | 1255                     | 2,080          | 2255          | 1,040       | Extension for reply with                                       | hin fifth month    |              |          |          |
| 1001 79                                  |                               | 395         | Utility filing fee                 |                           |          | 1404                     | 340            | 2401          | 170         | Notice of Appeal   |                    |              |          |          |
| 1001 75                                  |                               | 175         | Design filing fe                   |                           |          | 1402                     | 340            | 2402          | 170         | Filing a brief in suppor                                       | t of an appeal     |              |          |          |
| 1003 55                                  |                               | 275         | Plant filing fee                   |                           |          | 1403                     | 300            | 2403          | 150         | Request for oral heari   | ng                 |              |          |          |
| 1004 79                                  |                               | 395         | Reissue filing f                   | fee                       |          | 1451                     | 1,510          | 2451          | 1,510       | Petition to institute a p                                      | oublic use proceed | ling         |          |          |
| 1005 16                                  | 2005                          | 80          | Provisional filin                  | ng fee                    |          | 1452                     | 110            | 2452          | 55          | Petition to revive - una                                       | avoidable          |              |          |          |
| SUBTOTAL (1) (\$)                        |                               | 1453        | 1,370                              | 2453                      | 685      | Petition to revive - uni | ntentional     |               |             |  |                    |              |          |          |
|  |                               |             |                                    | (*)                       |          | 1501                     | 1,370          | 2501          | 685         | Utility issue fee (or rei                                      | ssue)              |              |          |          |
| 2. EX1                                   | TRA CL                        | AIM FE      | ES Extra                           | Fee from                  |          | 1502                     | 490            | 2502          | 245         | Design issue fee   |                    |              |          |          |
| Total Claims                             |                               | 1           | Claims                             | below                     | Fee Paid | 1503                     | 660            | 2503          | 330         | Plant issue fee  |                    |              |          |          |
| Independent                              |                               | . 20        | _ X                                |                           |          | 1460                     | 130            | 2460          | 130         | Petitions to the Comm  |                    |              |          |          |
| Claims                                   | . —                           | . 3         | =x                                 |                           |          | 1807                     | 50             | 1807          | 50          | Processing fee under   |                    |              |          |          |
| Multiple Depend                          | dent                          |             |                                    | =                         |          | 1806                     | 180            | 1806          | 180         | Submission of Informa  |                    | tmt          |          |          |
| Large Entity                             |                               | Entity      | _                                  |                           |          | 8021                     | 40             | 8021          | 40          | Recording each pater<br>property (times number                 |                    |              |          |          |
| Fee Fee<br>Code (\$)                     | Fee Code                      | Fee<br>(\$) | Fee Description                    |                           |          |                          | 790            | 4000          | 205         | Filing a submission aft  |                    |              |          |          |
| 1202 18                                  | 1                             | 9           | Claims in excess                   | s of 20                   |          | 1809                     | 790            | 1809          | 353         | (37 CFR § 1.129(a))  | or marrojoudor     |              |          |          |
| 1202 10                                  |                               | 44          |                                    | ims in excess of 3        |          | 1810                     | 790            | 2810          | 395         | For each additional inv  |                    |              |          |          |
| 1203 300                                 |                               | 150         | •                                  | lent claim, if not pa     | id       |                          |                |               |             | examined (37 CFR § 1   |                    | . <b>-</b> \ |          |          |
| 1204 88                                  | 2204                          | 44          |                                    | endent claims over        | original | 1801                     | 790            | 2801          | 395         | Request for Continued  |                    | E)           |          |          |
|  |                               |             | patent                             |                           |          | 1802                     | 900            | 1802          | 900         | Request for expedited<br>of a design application               |                    |              |          |          |
| 1205 18                                  | 2205                          | 9           | **Reissue claims<br>original paten | s in excess of 20 a<br>at | nd over  | Other fe                 | e (specify)    |               |             | ,  |                    |              |          |          |
|  |                               | SUB         | TOTAL (2)                          | (\$)                      |          | •Ded - 1                 | be (Dare) - C  | - Fac D:      | :           | _  |                    |              |          |          |
| **or                                     | number pre                    | viously pa  | id, if greater, For i              | Reissues, see bel         | ow w     | - Reduced                | by Basic Filin | gree Pai      | U           |  | SUBTOTAL (3)       | (\$          | )        |          |
| SUBMIT                                   | TED B                         | 7           |                                    |                           |          |                          |                |               |             |  | Comr               | olete (if a  | applicat | ole)     |
| Name (Prir                               |                               |             | W Diales                           | l Tu                      |          |                          | gistratio      |               | .   .       | 05 021   | Telephone          |              |          | ′-3800   |
| I Vaille (Phi                            | ιυ ι γρθ)                     | μκogei      | · W. Blakel                        | ıy, Jr.                   | Λ/       | I (At                    | tomey/Age      | nt)           | - 1 4       | 25,831   | I , alahilolia     | 1 ( / 17     | 7 221    | 2000     |

Based on PTO/SB/17 (10-03) as modified by Blakely, Solokoff, Taylor & Zafman (wl) 02/10/2004. SEND TO: Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1454

Signature



Docket No.: 55123P264

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MATTHEW GLENN WAIGHT, ET AL.

Application No.: 10/632,018

Filed: July 30, 2003

For: BROADBAND SINGLE CONVERSION

TUNER INTEGRATED CIRCUITS

Art Group: 2611

Examiner:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003), which are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). The references were cited in a Search Report dated October 5, 2004 in a counterpart PCT application.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

W. Blakely, Jr., Reg. No. 25,831

Date: October 21, 2004

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

Telephone: (714) 557-3800

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jessica a Clark

Date

10-21-04

55123P264

-2-

PE VCTS Substitute for form 1449A/PTO INFORMATION

## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(use as many sheets as necessary)

1

**Sheet** of 1

|                        | Complete if Known    |
|------------------------|----------------------|
| Application Number     | 10/632,018           |
| Filing Date            | July 30, 2003        |
| First Named Inventor   | Matthew Glenn Waight |
| Art Unit               | 2611                 |
| Examiner Name          |                      |
| Attorney Docket Number | 55123P264            |

|                       | U.S. PATENT DOCUMENTS |                                |                             |  |   |  |  |  |
|-----------------------|-----------------------|--------------------------------|-----------------------------|--|---|--|--|--|
|                       |                       | Document Number                | Publication Date            | News of Betartes as                                | Pages, Columns, Lines, Where                    |  |  |  |
| Examiner<br>Initials* | Cite<br>No.1          | Number - Kind Code² (if known) | or Issue Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |  |  |  |
|                       |                       | US-5,930,696                   | 07-27-1999                  | Tzuang et al.                                      |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |
|                       |                       | US-                            |                             |  |   |  |  |  |

|                                       | FOREIGN PATENT DOCUMENTS                         |   |                                |  |   |              |  |  |  |  |
|---------------------------------------|--|---|--------------------------------|--|---|--------------|--|--|--|--|
| Examiner Cite Foreign Patent Document |  |   |                                | Pages, Columns, Lines,                             |   |              |  |  |  |  |
| Initials*                             | No.1   | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Where Relevant Passages<br>or Relevant Figures Appear |              |  |  |  |  |
|                                       |  | EP - 1 282 227 - A2   | 02-05-2003                     | Nokia Corporation                                  |   | ļ            |  |  |  |  |
|                                       | ļ  |   |                                |  |   | ļ            |  |  |  |  |
|                                       |  |   |                                |  |   | -            |  |  |  |  |
|                                       | <del> </del>                                     |   |                                |  |   | <b> </b>     |  |  |  |  |
|                                       | ļ  |   |                                |  |   | -            |  |  |  |  |
| -                                     | <del>                                     </del> |   |                                |  |   | <del> </del> |  |  |  |  |
|                                       |  |   |                                |  |   |              |  |  |  |  |
|                                       |  |   |                                |  |   |              |  |  |  |  |
|                                       |  |   |                                |  |   |              |  |  |  |  |

| Examiner  | Date   |      |
|-----------|--------|------|
| Signature | Consid | ered |

\*Examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>9</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>4</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.